

ROHAN WAHULE

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Objective

Final-year B.Tech (CSE – AI & ML) student passionate about combining AI with modern web technologies. Seeking a placement opportunity to apply my skills in Python, machine learning, and web development to solve real-world problems.

Technical Skills

Languages and Frameworks: HTML, CSS, JavaScript, React, Java, Python

Databases: MySQL, MongoDB

Tools/Technologies: Git, GitHub, VS Code, Figma, Canva

AI/ML Frameworks: NumPy, Pandas, Scikit-learn

Soft Skills: Effective communication, Problem-solving, teamwork & collaboration, quick learner and adaptability

Projects

Automated Attendance System Using Face Recognition

- **Tech Stack:** Python, OpenCV, Flask, React.js, Node.js, MongoDB, JavaScript
- Built an AI-powered attendance system using **real-time face recognition** with OpenCV (LBPH).
- Created Flask APIs for **face enrollment, model training, and recognition**.
- Developed Node.js backend for **student management and attendance logging**.
- Designed a React.js admin dashboard for **viewing logs, manual attendance, and analytics**.
- Improved accuracy by generating **20 augmented training images** automatically per student.

Virtual Mouse using Computer Vision

A desktop application that replaces physical mouse functions with hand gesture recognition.

- Implemented real-time hand tracking and gesture detection using **OpenCV** and **MediaPipe**
- Controlled cursor movement, clicking, scrolling, and dragging through **hand gestures**
- Integrated **PyAutoGUI** for system-level mouse and keyboard automation
- Designed a **Tkinter-based GUI** for user-friendly interaction and controls

Achievements & Certifications

- Certification Participant – Google Cloud Agentic AI Day (Hack2skill), explored applications of Agentic AI in cloud computing and real-world problem solving - [Certificate](#)
- Built 2+ personal and academic projects independently
- Self-taught web development and AI/ML concepts from online resources

Education

Hi-Tech Institute of Technology, Aurangabad, Maharashtra

B.Tech in Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Jul 2022 – May 2026

Aurangabad, Maharashtra

Rajarshi Shahu Maharaj College, Satara Parisar, Aurangabad, Maharashtra

Higher Secondary Certificate (HSC) – Science Stream (PCMB)

Jun 2020 – Mar 2022

Aurangabad, Maharashtra

Rajarshi Shahu Maharaj School, Satara Parisar, Aurangabad, Maharashtra

Secondary School Certificate (SSC)

Jun 2019 – Mar 2020

Aurangabad, Maharashtra